

TITLE 524: BOARD OF ELEVATOR REGULATIONS
CHAPTER 8.00: PRACTICAL TESTS AND INSPECTIONS

524 CMR 8.01 (2006)

8.01: Practical Tests and Inspections

A practical test of all equipment governed by 524 CMR as required by M.G.L. c. 143, § 64, shall consist of the following:

- (1) The initial "Acceptance Test" and subsequent annual tests and/or inspections shall be made of all equipment under the supervision of the state elevator inspector. Such tests shall conform to the following Acceptance Test: A contract load test at governing tripping speed where applicable shall be made for all new installations,
- (2) Prior to returning to service any equipment which has undergone a major alteration, material change, or which has been placed out of service due to non-use, accident or a cause of injury, or at the discretion of the state elevator inspector.
- (3) Subsequent Tests: A safety test with no contract-load shall be made in the presence of the state elevator inspector, once a year, or as otherwise specified by other sections of this code or M.G.L. c. 143, § 64. of all safety devices and equipment to determine that they function as required by the applicable codes. It is further required that every fifth year a full-load safety test be conducted in the presence of the state elevator inspector. (Refer 524 CMR 11.00 for elevators placed out of service.)
- (4) Car and counterweight safeties and governors shall be tested as follows: Governor operated instantaneous type safeties or sliding type safeties of elevators shall be tested at rated speed by tripping the governor by hand. The governor shall be separately tested for tripping speed.
- (5) Each governor shall be sealed directly after testing by the state elevator inspector conducting the test. No person other than a state elevator inspector shall break or remove the seal.
- (6) The application of a safety having no speed governor shall be obtained by a free drop test which may be made without detaching the ropes.
- (7) Car and counterweight oil buffers, if any, shall be tested annually with no load on the platform at rated car speed, and with a full contract load every fifth year.
- (8) Contract load test for hydraulic elevators: A contract load test under the supervision of the state elevator inspector shall be made of every hydraulic elevator or dumbwaiter before the equipment is placed in regular service.
 - (a) The test shall be made with no load and a test with full rated load on the car in order

to determine the car speed under each specified condition of loading in both the up and down directions.

(b) A test check of the working pressure including, in case of pressure tanks, a check of the accuracy of the tank pressure gauge.

(c) A test of the relief valve by-pass pressure shall be made in accordance 524 CMR 17.23(6).

(9) All private residence elevators governed by 524 CMR 23.00 and 35.00 shall be tested and inspected every ~~two~~ **five** years. A test with a capacity load will be performed during each ~~third succeeding~~ test.

(10) All escalators will be tested with contract load at the time of acceptance and will have a brake data plate installed. All escalators with brake data plates may be tested thereafter by verifying the brake torque. If the environment in which a unit is operating makes the stopping capability of the brake questionable, a weight test will be used to reconfirm the torque setting of the brake.

(11) All existing escalators without brake data plates or units with more than one driving machine will be tested with contract load at five year intervals and whenever the stopping capability of the brake is questionable.

(12) All escalators will require annually a step/skirt performance index test complying with A17.1-2000 Section 8.6.8.3, and will have up to one year from the date of the citation to be in compliance.

REGULATORY AUTHORITY

524 CMR 8.00: M.G.L. c. 143, § 69.